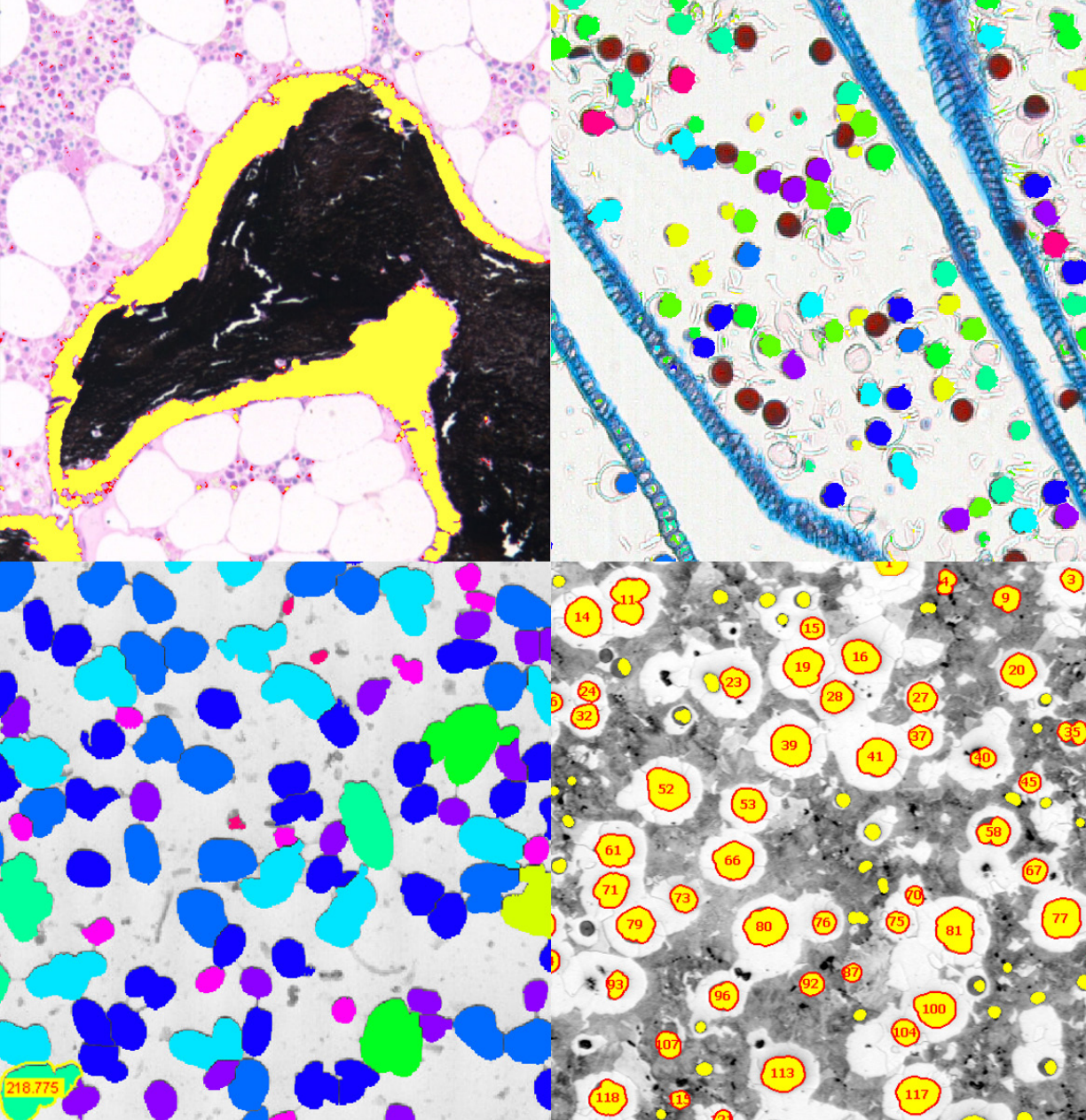




LAS Image Analysis

Automatic Analysis of Multiple Image Features

Living up to Life

Leica
MICROSYSTEMS

Histogram

Diameter Distribution

Number%

Equiv Circ Diam

10 17 24 31 38 45 52 59 66 73 80

0 5 10 15 20 25

■ Show Axis Option ■ Show Bin Details

The screenshot displays the CellScribe software interface. At the top, a menu bar includes 'File', 'Edit', 'View', 'Tools', 'Window', and 'Help'. Below the menu bar is a toolbar with icons for various functions. The left sidebar contains two main tabs: 'Tools' and 'Analysis'. Under 'Tools', there are sub-tabs for 'Image', 'Measure', 'Analyze', 'Export', 'Import', 'Help', and 'About'. The 'Image' tab is currently selected, showing a list of image processing tools. The 'Analysis' tab is also visible, showing a list of analysis tools. The main window displays two side-by-side microscopy images. The left image shows cells with purple nuclei, and the right image shows cells with green nuclei. The software includes a scale bar at the bottom of the main window, indicating a distance of 100 micrometers. The bottom status bar shows the current image is 'Image1.tif' and the scale is '100 micrometers'.

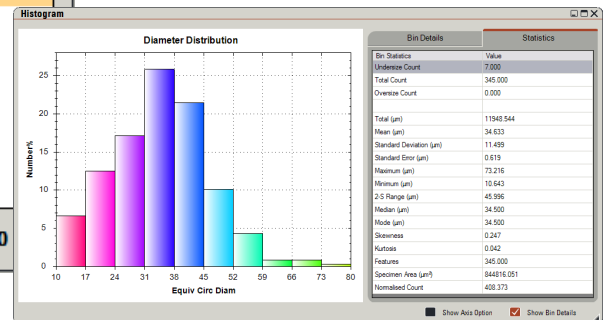
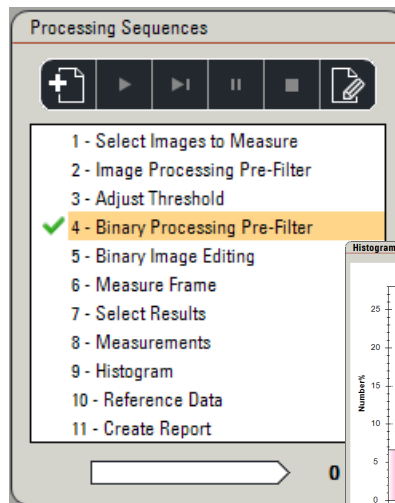
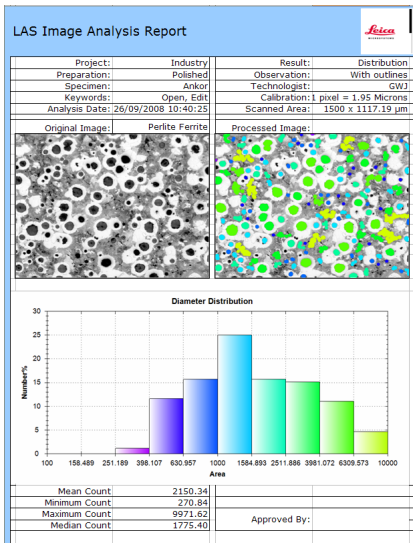
Effortless Feature Measurements

Once the binary image has been produced, the features in this image can be measured to give a variety of morphological information such as size, shape and position. The large number of parameters available gives you the option of selecting the information that is most appropriate to your sample to give you a meaningful characterisation of your specimen.

When the measurement has been completed, the resulting data is stored for review, summary, and interpretation. Raw data can be examined and statistics calculated in order that trends can be identified, whilst histograms and pie charts can be plotted to further organise the specimen information. Result data can then be outputted to a Microsoft Excel template so that customised reports can be created and further calculations derived.

Key benefits:

- An easy to use sequence control that guides you through the whole set up process for acquisition, detection and measurement.
- Save and recall settings and configurations to exactly recreate the same conditions at a later date
- Sophisticated measurements on individual features including size, shape, position, orientation and intensity
- Create meaningful results with a range of analysis tools including statistics, histograms and pie charts



Statistics	Area(µm²)	Y FCP	Accepted	Length(µm)	X FCP	Perimeter(µm)	Roundness	X Centroid	Y Centroid	Equiv Circ Diam(µm)
Total	361207.205	159381.000	352	15059.234	180464.000	43958.645	448.593	179457.714	154057.735	12005.448
Mean	1026.157	452.787	1	42.782	512.682	124.883	1.274	509.823	437.664	34.106
Standard Deviation	675.152	200.418	0	16.386	268.973	47.712	0.214	269.158	201.015	11.971
Standard Error	35.986	10.682	0	0.873	14.336	2.543	0.011	14.346	10.714	0.638
Maximum	4210.174	766.000	1	97.104	972.000	312.369	3.608	970.331	759.479	73.216
Minimum	39.693	100.000	1	9.359	51.000	28.078	1.053	36.718	78.839	7.109
2-S Range	2700.608	801.671	0	65.545	1075.890	190.848	0.856	1076.630	804.060	47.883

“With the user, for the user”

Leica Microsystems

Leica Microsystems operates internationally in four divisions, where we rank with the market leaders.

• Life Science Division

The Leica Microsystems Life Science Division supports the imaging needs of the scientific community with advanced innovation and technical expertise for the visualization, measurement, and analysis of microstructures. Our strong focus on understanding scientific applications puts Leica Microsystems' customers at the leading edge of science.

• Industry Division

The Leica Microsystems Industry Division's focus is to support customers' pursuit of the highest quality end result. Leica Microsystems provide the best and most innovative imaging systems to see, measure, and analyze the microstructures in routine and research industrial applications, materials science, quality control, forensic science investigation, and educational applications.

• Biosystems Division

The Leica Microsystems Biosystems Division brings histopathology labs and researchers the highest-quality, most comprehensive product range. From patient to pathologist, the range includes the ideal product for each histology step and high-productivity workflow solutions for the entire lab. With complete histology systems featuring innovative automation and Novocastra™ reagents, Leica Microsystems creates better patient care through rapid turnaround, diagnostic confidence, and close customer collaboration.

• Surgical Division

The Leica Microsystems Surgical Division's focus is to partner with and support surgeons and their care of patients with the highest-quality, most innovative surgical microscope technology today and into the future.

The statement by Ernst Leitz in 1907, “with the user, for the user,” describes the fruitful collaboration with end users and driving force of innovation at Leica Microsystems. We have developed five brand values to live up to this tradition: Pioneering, High-end Quality, Team Spirit, Dedication to Science, and Continuous Improvement. For us, living up to these values means: **Living up to Life.**

Active worldwide

Australia:	North Ryde	Tel. +61 2 8870 3500	Fax +61 2 9878 1055
Austria:	Vienna	Tel. +43 1 486 80 50 0	Fax +43 1 486 80 50 30
Belgium:	Groot Bijgaarden	Tel. +32 2 790 98 50	Fax +32 2 790 98 68
Canada:	Richmond Hill/Ontario	Tel. +1 905 762 2000	Fax +1 905 762 8937
Denmark:	Herlev	Tel. +45 4454 0101	Fax +45 4454 0111
France:	Rueil-Malmaison	Tel. +33 1 47 32 85 85	Fax +33 1 47 32 85 86
Germany:	Wetzlar	Tel. +49 64 41 29 40 00	Fax +49 64 41 29 41 55
Italy:	Milan	Tel. +39 02 574 861	Fax +39 02 574 03392
Japan:	Tokyo	Tel. +81 3 5421 2800	Fax +81 3 5421 2896
Korea:	Seoul	Tel. +82 2 514 65 43	Fax +82 2 514 65 48
Netherlands:	Rijswijk	Tel. +31 70 4132 100	Fax +31 70 4132 109
People's Rep. of China:	Hong Kong	Tel. +852 2564 6699	Fax +852 2564 4163
Portugal:	Lisbon	Tel. +351 21 388 9112	Fax +351 21 385 4668
Singapore		Tel. +65 6779 7823	Fax +65 6773 0628
Spain:	Barcelona	Tel. +34 93 494 95 30	Fax +34 93 494 95 32
Sweden:	Kista	Tel. +46 8 625 45 45	Fax +46 8 625 45 10
Switzerland:	Heerbrugg	Tel. +41 71 726 34 34	Fax +41 71 726 34 44
United Kingdom:	Milton Keynes	Tel. +44 1908 246 246	Fax +44 1908 609 992
USA:	Bannockburn/Illinois	Tel. +1 847 405 0123	Fax +1 847 405 0164

and representatives in more than 100 countries

www.leica-microsystems.com

